



Health Analytics and Vital Records

Division of Public Health

Department of Health and Social Services

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Alaska Facts and Figures

2018 Alaska Resident Leading Causes of Inpatient Hospitalization

The Alaska Facts and Figures tables were prepared by the Alaska Department of Health and Social Services, Division of Public Health, Health Analytics and Vital Records Section. These tables summarize inpatient discharge data from the Alaska Health Facilities Data Reporting (HFDR) program for hospital discharges during 2018.

Additional Information

- The statistics provided in the tables reflect data based on hospital inpatient discharges for Alaska residents. Alaska hospitals are required to report their discharge data to the State of Alaska (7 AAC 27.660).
- These tables provide discharge counts and rates for hospital inpatient stays in Alaska.
 - The ICD-10-CM diagnoses are grouped into roughly 300 classifications using [Clinical Classification Software](#) (CCS) diagnosis categories.
 - The fifteen CCS categories that have the highest number of discharges for the year are ranked in the first (overall) table and the tables by *Sex*. The top ten discharge diagnosis categories are listed for each *Race* group, and the top three diagnoses are listed in the *Age Group* table and the *Regional Area* ([Public Health Region](#)) table.
- These tables also provide columns for *Billed Charges* with sum, median, and mean listed for each discharge diagnosis.
 - *Billed Charges* reflect charges billed by facilities. These do not include physician fees, and may differ from amount ultimately negotiated (or discounted) with insurance companies or other payers.
- In the final three tables, the diagnosis categories are ranked by the highest dollar amounts of the billed charges, with the top 15 categories displayed. The first table is ranked with the diagnosis category having highest sum of all billed charges first, the next table ranks the median charges, and the last table ranks the mean charges.
- Each hospital discharge is mutually exclusive, in other words, counted in only one *Clinical Classification Category*. However, a patient can have multiple discharges in a calendar year and will be counted for each discharge.
- These tables reflect the latest and most complete counts of hospitalizations. The data presented may differ from previous tables or reports due to late or corrected data submission to HFDR.
- Any rate based on fewer than 6 events is not reported, and any rate based on fewer than 20 events is statistically unreliable and should be interpreted with caution.
- Age-adjusted rates were adjusted by year 2000 standard population ratios. For more information see the Healthy People Statistical Notes on [Age adjustment using the 2000 projected U.S. population](#), January 2001.
- The single-race population estimates used to calculate rates in these tables are provided by the Alaska Department of Labor and Workforce Development, Research and Analysis Section, Demographics Unit.



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Alaska Facts & Figures

Leading Causes of Hospitalization - Top Fifteen (2018)

Rank	Clinical Classification Categories ¹	Morbidity			Billed Charges ⁴		
		Discharges	Crude Rate ²	Age Adjusted Rate ³	Sum Billed Charges	Median Billed Charges	Mean Billed Charges
1	Liveborn (newborn infant)	8,128	1,104.0	1,098.5	\$239,235,094	\$4,793	\$29,433
2	Septicemia (except in labor)	3,700	502.6	530.7	\$399,815,363	\$59,996	\$108,058
3	Other complications of birth, puerperium affecting management of mother	2,188	297.2	294.4	\$45,419,950	\$16,391	\$20,759
4	Osteoarthritis	1,924	261.3	248.3	\$178,813,909	\$80,766	\$92,939
5	Mood disorders	1,921	260.9	264.7	\$91,931,457	\$34,524	\$47,856
6	Alcohol-related disorders	1,193	162.0	160.7	\$59,229,322	\$30,334	\$49,647
7	Hypertension with complications and secondary hypertension	1,151	156.3	172.9	\$87,833,164	\$49,768	\$76,310
8	Spondylosis, intervertebral disc disorders, other back problems	1,065	144.7	140.4	\$148,165,530	\$115,605	\$139,123
9	Acute myocardial infarction	1,013	137.6	141.5	\$137,321,537	\$99,624	\$135,559
10	Acute cerebrovascular disease	1,012	137.5	152.7	\$92,236,745	\$57,655	\$91,143
11	Complication of device, implant or graft	1,010	137.2	136.1	\$113,879,971	\$80,545	\$112,752
12	Pneumonia (except that caused by tuberculosis or sexually transmitted disease)	985	133.8	147.2	\$44,339,217	\$29,083	\$45,014
13	Hypertension complicating pregnancy, childbirth and the puerperium	972	132.0	131.8	\$31,571,318	\$25,745	\$32,481
14	Skin and subcutaneous tissue infections	920	125.0	126.2	\$33,260,132	\$28,272	\$36,152
15	Schizophrenia and other psychotic disorders	871	118.3	119.4	\$39,076,827	\$26,860	\$44,864

Data Accessed: 01/31/2020

Source: Alaska Division of Public Health, Health Analytics and Vital Records, Health Facilities Data Reporting Inpatient Database v4

Footnotes:

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Alaska Facts & Figures

Leading Causes of Hospitalization - Top Fifteen by Sex (2018)

Sex	Rank	Clinical Classification Categories ¹	Morbidity			Billed Charges ⁴		
			Discharges	Crude Rate ²	Age Adjusted Rate ³	Sum Billed Charges	Median Billed Charges	Mean Billed Charges
Female	1	Liveborn (newborn infant)	3,931	1,099.8	1,078.1	\$89,378,382	\$4,544	\$22,737
	2	Other complications of birth, puerperium affecting management of mother	2,187	611.9	615.2	\$45,389,210	\$16,379	\$20,754
	3	Septicemia (except in labor)	1,847	516.8	534.3	\$176,415,131	\$55,924	\$95,514
	4	Mood disorders	1,093	305.8	317.9	\$56,812,859	\$37,571	\$51,979
	5	Osteoarthritis	1,023	286.2	267.8	\$94,225,913	\$78,999	\$92,107
	6	Hypertension complicating pregnancy, childbirth and the puerperium	972	271.9	275.0	\$31,571,318	\$25,745	\$32,481
	7	Other complications of pregnancy	785	219.6	221.9	\$24,100,449	\$19,433	\$30,701
	8	Polyhydramnios and other problems of amniotic cavity	773	216.3	218.4	\$21,543,323	\$20,786	\$27,870
	9	Previous C-section	748	209.3	210.7	\$20,865,186	\$25,553	\$27,895
	10	Prolonged pregnancy	663	185.5	186.2	\$13,662,547	\$17,954	\$20,607
	11	Diabetes or abnormal glucose tolerance complicating pregnancy, childbirth, or the puerperium	552	154.4	155.7	\$13,440,912	\$19,178	\$24,349
	12	OB-related trauma to perineum and vulva	526	147.2	146.2	\$7,303,443	\$12,035	\$13,885
	13	Alcohol-related disorders	502	140.5	140.7	\$23,556,134	\$29,417	\$46,925
	14	Hypertension with complications and secondary hypertension	486	136.0	146.3	\$37,362,300	\$49,617	\$76,877
	15	Pneumonia (except that caused by tuberculosis or sexually transmitted disease)	476	133.2	138.6	\$21,336,510	\$30,466	\$44,825

Data Accessed: 01/31/2020

Source: Alaska Division of Public Health, Health Analytics and Vital Records, Health Facilities Data Reporting Inpatient Database v4

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Alaska Facts & Figures

Leading Causes of Hospitalization - Top Fifteen by Sex (2018)

Sex	Rank	Clinical Classification Categories ¹	Morbidity			Billed Charges ⁴		
			Discharges	Crude Rate ²	Age Adjusted Rate ³	Sum Billed Charges	Median Billed Charges	Mean Billed Charges
Male	1	Liveborn (newborn infant)	4,192	1,106.6	1,117.1	\$149,835,503	\$5,148	\$35,743
	2	Septicemia (except in labor)	1,853	489.2	526.7	\$223,400,232	\$64,097	\$120,561
	3	Osteoarthritis	901	237.8	229.5	\$84,587,995	\$82,341	\$93,882
	4	Mood disorders	828	218.6	216.6	\$35,118,597	\$31,647	\$42,414
	5	Alcohol-related disorders	691	182.4	179.7	\$35,673,188	\$31,103	\$51,625
	6	Acute myocardial infarction	669	176.6	178.7	\$96,115,121	\$107,633	\$143,670
	7	Hypertension with complications and secondary hypertension	665	175.5	200.4	\$50,470,864	\$49,992	\$75,896
	8	Spondylosis, intervertebral disc disorders, other back problems	616	162.6	161.5	\$86,979,233	\$114,360	\$141,200
	9	Complication of device, implant or graft	566	149.4	157.1	\$64,794,072	\$84,589	\$114,477
	10	Skin and subcutaneous tissue infections	554	146.2	148.7	\$19,483,599	\$28,128	\$35,169
	11	Acute cerebrovascular disease	538	142.0	160.2	\$49,831,750	\$60,427	\$92,624
	12	Schizophrenia and other psychotic disorders	535	141.2	141.9	\$23,853,075	\$26,309	\$44,585
	13	Pneumonia (except that caused by tuberculosis or sexually transmitted disease)	509	134.4	157.6	\$23,002,707	\$28,208	\$45,192
	14	Diabetes mellitus with complications	493	130.1	131.9	\$33,649,736	\$38,057	\$68,255
	15	Respiratory failure, insufficiency, arrest (adult)	418	110.3	111.3	\$57,788,902	\$73,882	\$138,251

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Alaska Facts & Figures

Leading Causes of Hospitalization - Top Ten by Race (2018)

Race	Rank	Clinical Classification Categories ¹	Morbidity			Billed Charges ⁴		
			Discharges	Crude Rate ²	Age Adjusted Rate ³	Sum Billed Charges	Median Billed Charges	Mean Billed Charges
White	1	Liveborn (newborn infant)	3,332	656.8	728.6	\$75,900,333	\$4,311	\$22,779
	2	Septicemia (except in labor)	2,150	423.8	415.7	\$242,172,536	\$63,710	\$112,638
	3	Osteoarthritis	1,513	298.2	256.3	\$142,849,846	\$85,810	\$94,415
	4	Mood disorders	1,020	201.1	207.1	\$55,085,231	\$41,833	\$54,005
	5	Other complications of birth, puerperium affecting management of mother	989	195.0	199.4	\$21,946,656	\$17,851	\$22,191
	6	Spondylosis, intervertebral disc disorders, other back problems	855	168.5	149.7	\$123,441,433	\$120,717	\$144,376
	7	Acute myocardial infarction	712	140.3	129.2	\$98,810,020	\$102,769	\$138,778
	8	Complication of device, implant or graft	699	137.8	126.2	\$81,981,238	\$86,555	\$117,284
	9	Hypertension with complications and secondary hypertension	696	137.2	140.0	\$56,826,330	\$53,654	\$81,647
	10	Acute cerebrovascular disease	616	121.4	124.6	\$53,266,808	\$55,549	\$86,472
AI/AN	1	Liveborn (newborn infant)	2,377	1,858.1	1,386.1	\$53,670,911	\$7,603	\$22,579
	2	Septicemia (except in labor)	960	750.4	963.6	\$98,326,569	\$56,071	\$102,424
	3	Other complications of birth, puerperium affecting management of mother	747	583.9	543.5	\$13,174,000	\$13,573	\$17,636
	4	Mood disorders	630	492.5	471.7	\$24,345,598	\$27,779	\$38,644
	5	Alcohol-related disorders	586	458.1	536.4	\$27,820,511	\$27,025	\$47,475
	6	Schizophrenia and other psychotic disorders	398	311.1	323.5	\$15,860,649	\$25,715	\$39,851
	7	Pneumonia (except that caused by tuberculosis or sexually transmitted disease)	379	296.3	350.3	\$13,800,416	\$23,190	\$36,413
	8	Skin and subcutaneous tissue infections	355	277.5	305.6	\$12,128,994	\$26,870	\$34,166
	9	Hypertension complicating pregnancy, childbirth and the puerperium	345	269.7	260.8	\$10,000,086	\$23,193	\$28,986
	10	Chronic obstructive pulmonary disease and bronchiectasis	274	214.2	300.8	\$9,417,810	\$27,847	\$34,372

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Alaska Facts & Figures

Leading Causes of Hospitalization - Top Ten by Race (2018)

Race	Rank	Clinical Classification Categories ¹	Morbidity			Billed Charges ⁴		
			Discharges	Crude Rate ²	Age Adjusted Rate ³	Sum Billed Charges	Median Billed Charges	Mean Billed Charges
Asian/PI/Black	1	Liveborn (newborn infant)	818	809.9	736.3	\$35,358,368	\$4,148	\$43,225
	2	Septicemia (except in labor)	404	400.0	518.8	\$44,525,964	\$63,437	\$110,213
	3	Other complications of birth, puerperium affecting management of mother	267	264.3	238.8	\$6,349,085	\$17,984	\$23,779
	4	Hypertension with complications and secondary hypertension	214	211.9	275.4	\$17,007,225	\$52,126	\$79,473
	5	Acute cerebrovascular disease	168	166.3	222.8	\$18,409,046	\$75,668	\$109,578
	6	Other complications of pregnancy	131	129.7	117.6	\$6,345,867	\$23,955	\$48,442
	7	Diabetes or abnormal glucose tolerance complicating pregnancy, childbirth, or the puerperium	127	125.7	116.0	\$3,290,624	\$22,202	\$25,910
	8	Mood disorders	121	119.8	112.4	\$6,207,615	\$35,758	\$51,303
	9	Previous C-section	115	113.9	104.4	\$3,440,435	\$28,008	\$29,917
	10	Diabetes mellitus with complications	109	107.9	123.7	\$8,835,089	\$39,261	\$81,056

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Alaska Facts & Figures

Leading Causes of Hospitalization - Top Three by Age Group (2018)

Age Group	Rank	Clinical Classification Categories ¹	Morbidity		Billed Charges ⁴		
			Discharges	Age Specific Rate ²	Sum Billed Charges	Median Billed Charges	Mean Billed Charges
00-14	1	Liveborn (newborn infant)	8,128	5,164.7	\$239,235,094	\$4,793	\$29,433
	2	Acute bronchitis	412	261.8	\$15,328,597	\$19,646	\$37,205
	3	Pneumonia (except that caused by tuberculosis or sexually transmitted disease)	274	174.1	\$8,345,654	\$15,811	\$30,459
15-24	1	Mood disorders	691	727.5	\$35,747,904	\$35,885	\$51,734
	2	Other complications of birth, puerperium affecting management of mother	632	665.4	\$13,350,482	\$16,277	\$21,124
	3	Hypertension complicating pregnancy, childbirth and the puerperium	246	259.0	\$7,001,466	\$23,780	\$28,461
25-34	1	Other complications of birth, puerperium affecting management of mother	1,240	1,095.2	\$24,518,095	\$15,976	\$19,773
	2	Hypertension complicating pregnancy, childbirth and the puerperium	547	483.1	\$18,030,097	\$26,230	\$32,962
	3	Previous C-section	472	416.9	\$13,258,429	\$26,224	\$28,090
35-44	1	Septicemia (except in labor)	367	383.7	\$46,092,187	\$58,395	\$125,592
	2	Other complications of birth, puerperium affecting management of mother	314	328.3	\$7,503,651	\$18,829	\$23,897
	3	Alcohol-related disorders	293	306.4	\$12,853,537	\$29,945	\$43,869
45-54	1	Septicemia (except in labor)	498	561.6	\$58,132,677	\$64,965	\$116,732
	2	Alcohol-related disorders	277	312.4	\$13,553,664	\$32,008	\$48,930
	3	Osteoarthritis	234	263.9	\$22,116,803	\$76,225	\$94,516
55-64	1	Septicemia (except in labor)	775	782.5	\$100,096,374	\$71,495	\$129,157
	2	Osteoarthritis	511	515.9	\$47,222,789	\$79,792	\$92,413
	3	Acute myocardial infarction	283	285.7	\$39,966,361	\$101,931	\$141,224
65+	1	Septicemia (except in labor)	1,549	1,774.3	\$149,478,184	\$59,264	\$96,500
	2	Osteoarthritis	1,134	1,298.9	\$105,102,695	\$82,256	\$92,683
	3	Hypertension with complications and secondary hypertension	698	799.5	\$54,187,490	\$49,375	\$77,633

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Leading Causes of Hospitalization - Top Three by Public Health Region (2018)

Regional Area	Rank	Clinical Classification Categories ¹	Morbidity			Billed Charges ⁴		
			Discharges	Crude Rate ²	Age Adjusted Rate ³	Sum Billed Charges	Median Billed Charges	Mean Billed Charges
Anchorage Munic.	1	Liveborn (newborn infant)	3,275	1,108.8	1,114.0	\$126,130,256	\$4,531	\$38,513
	2	Septicemia (except in labor)	1,788	605.4	647.6	\$200,030,085	\$65,302	\$111,874
	3	Other complications of birth, puerperium affecting management of mother	813	275.3	260.3	\$20,038,249	\$19,180	\$24,647
Gulf Coast Region	1	Liveborn (newborn infant)	883	1,089.3	1,185.6	\$15,070,609	\$3,915	\$17,068
	2	Septicemia (except in labor)	383	472.5	429.4	\$36,740,795	\$45,632	\$95,929
	3	Osteoarthritis	367	452.8	344.0	\$33,520,058	\$76,028	\$91,335
Interior Region	1	Liveborn (newborn infant)	1,110	998.1	981.5	\$36,931,134	\$4,127	\$33,271
	2	Mood disorders	451	405.5	399.6	\$19,597,321	\$34,143	\$43,453
	3	Other complications of birth, puerperium affecting management of mother	306	275.1	258.3	\$3,525,534	\$9,735	\$11,521
Mat-Su Borough	1	Liveborn (newborn infant)	1,118	1,057.3	991.1	\$25,035,949	\$5,834	\$22,394
	2	Septicemia (except in labor)	755	714.0	759.0	\$95,379,000	\$68,605	\$126,330
	3	Other complications of birth, puerperium affecting management of mother	306	289.4	311.3	\$8,459,014	\$25,137	\$27,644
Northern Region	1	Liveborn (newborn infant)	432	1,559.3	1,285.7	\$8,701,195	\$7,649	\$20,142
	2	Septicemia (except in labor)	181	653.3	1,006.9	\$14,484,354	\$36,936	\$80,024
	3	Other complications of birth, puerperium affecting management of mother	168	606.4	562.1	\$3,563,235	\$16,204	\$21,210
Southeast Region	1	Liveborn (newborn infant)	634	870.0	1,057.2	\$10,252,923	\$5,593	\$16,172
	2	Septicemia (except in labor)	266	365.0	343.2	\$18,692,021	\$35,678	\$70,271
	3	Osteoarthritis	192	263.5	213.1	\$11,909,473	\$48,117	\$62,029
Southwest Region	1	Liveborn (newborn infant)	676	1,598.9	1,301.1	\$17,113,028	\$5,030	\$25,315
	2	Other complications of birth, puerperium affecting management of mother	253	598.4	568.4	\$3,660,290	\$10,066	\$14,468
	3	Mood disorders	180	425.7	396.6	\$5,230,667	\$18,733	\$29,059

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2	Liveborn (newborn infant)	8,128	1,104.0	1,098.5	\$239,235,094	\$4,793	\$29,433
3	Osteoarthritis	1,924	261.3	248.3	\$178,813,909	\$80,766	\$92,939
4	Spondylosis, intervertebral disc disorders, other back problems	1,065	144.7	140.4	\$148,165,530	\$115,605	\$139,123
5	Acute myocardial infarction	1,013	137.6	141.5	\$137,321,537	\$99,624	\$135,559
6	Complication of device, implant or graft	1,010	137.2	136.1	\$113,879,971	\$80,545	\$112,752
7	Respiratory failure, insufficiency, arrest (adult)	807	109.6	110.6	\$94,369,384	\$68,847	\$116,939
8	Acute cerebrovascular disease	1,012	137.5	152.7	\$92,236,745	\$57,655	\$91,143
9	Mood disorders	1,921	260.9	264.7	\$91,931,457	\$34,524	\$47,856
10	Hypertension with complications and secondary hypertension	1,151	156.3	172.9	\$87,833,164	\$49,768	\$76,310
11	Complications of surgical procedures or medical care	848	115.2	116.1	\$70,397,623	\$49,794	\$83,016
12	Alcohol-related disorders	1,193	162.0	160.7	\$59,229,322	\$30,334	\$49,647
13	Cardiac dysrhythmias	704	95.6	106.1	\$56,308,289	\$44,486	\$79,983
14	Heart valve disorders	249	33.8	40.4	\$54,800,870	\$182,143	\$220,084
15	Fracture of lower limb	515	70.0	72.3	\$54,793,451	\$73,108	\$106,395

Data Accessed: 01/31/2020

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Health Analytics and Vital Records

Division of Public Health

Department of Health and Social Services

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Alaska Facts & Figures

Leading Causes of Median Billed Charges - Top Fifteen (2018)

Rank	Clinical Classification Categories ¹	Morbidity			Billed Charges ⁴		
		Discharges	Crude Rate ²	Age Adjusted Rate ³	Sum Billed Charges	Median Billed Charges	Mean Billed Charges
1	Respiratory distress syndrome	13	1.8*	1.8*	\$5,427,099	\$440,290	\$417,469
2	Short gestation, low birth weight, and fetal growth retardation	79	10.7	10.7	\$27,575,997	\$259,543	\$349,063
3	Aortic, peripheral, and visceral artery aneurysms	120	16.3	17.6	\$30,118,517	\$193,593	\$250,988
4	Intrauterine hypoxia and birth asphyxia	9	1.2*	1.2*	\$3,502,199	\$186,641	\$389,133
5	Heart valve disorders	249	33.8	40.4	\$54,800,870	\$182,143	\$220,084
6	Other acquired deformities	213	28.9	27.8	\$44,237,139	\$178,423	\$207,686
7	Birth trauma	<6	**	**	\$281,326	\$140,663	\$140,663
8	Rehabilitation care, fitting of prostheses, and adjustment of devices	<6	**	**	\$134,708	\$134,708	\$134,708
9	Cardiac arrest and ventricular fibrillation	57	7.7	8.2	\$10,183,997	\$132,330	\$178,667
10	HIV infection	11	1.5*	1.3*	\$2,082,115	\$129,684	\$189,283
11	Spondylosis, intervertebral disc disorders, other back problems	1,065	144.7	140.4	\$148,165,530	\$115,605	\$139,123
12	Cancer of other female genital organs	12	1.6*	1.4*	\$1,282,793	\$113,218	\$106,899
13	Cancer of testis	<6	**	**	\$112,439	\$112,439	\$112,439
14	Encephalitis (except that caused by tuberculosis or sexually transmitted)	28	3.8	3.9	\$5,340,447	\$112,359	\$190,730
15	Other CNS infection and poliomyelitis	26	3.5	3.4	\$3,609,929	\$105,058	\$138,843

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9	Cardiac arrest and ventricular fibrillation	57	7.7	8.2	\$10,183,997	\$132,330	\$178,667
10	Non-Hodgkins lymphoma	52	7.1	6.9	\$9,084,093	\$88,930	\$174,694
11	Aortic and peripheral arterial embolism or thrombosis	33	4.5	4.5	\$5,496,113	\$100,896	\$166,549
12	Cardiac and circulatory congenital anomalies	27	3.7	3.7	\$4,398,721	\$93,240	\$162,916
13	Cancer of esophagus	24	3.3	2.9	\$3,784,725	\$95,873	\$157,697
14	Coronary atherosclerosis and other heart disease	332	45.1	44.4	\$51,441,863	\$102,016	\$154,945
15	Spinal cord injury	22	3.0	3.6	\$3,158,172	\$82,165	\$143,553

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